

# SAFETY DATA SHEET

Creation Date 15-Dec-2011

Revision Date 26-Dec-2021

Revision Number 6

			1.	Identi	ficatio	n				
Product Name		CAB	-O-SIL®	M5	19					
Cat No. :		SO4:	369							
CAS No Synonyms		7631- Silicor		Synthetic A	Amorphous	Silica, Pyro	ogenic (Fu	med) Amor	phous Silica	a
Recommended Use Uses advised against	÷.		atory chem drug, pest		ocidal produ	uct use.		1	j.	÷.
Details of the supplier o	of the safe	ety data sł	neet_							
<u>Company</u> Stanford Advanced Mater Address : 23661 Birtcher _ake Forest, CA 92630 U	Dr.,							. *		
Tel: (949) 407-8904 Fax: (949) 812-6690					1	:**		1	111	
Emergency Telephone I	Number		407-8904 elephone i	number is	available 2	4 hours pei	day, 7 da	ays per wee	ek.)	

# 2. Hazard(s) identification

**Classification** 

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Hazard Statements

### Precautionary Statements

Hazards not otherwise classified (HNOC) None identified WARNING. Cancer - https://www.p65warnings.ca.gov/. CAB-O-SIL® M5

Revision Date 26-Dec-2021

		nponent				CAS N			Weight %				
	Silica,	amorphous				7631-86	5-9			100			
	1 1 1			4. Firs	st-aid	meas	sures						
Eye Conta	st <sub>, ; ,</sub>			e immediately ical attention.	y with ple	nty of wa	ter, also unde	r the eye	lids, for at l	east 15 min	utes. Get		
Skin Conta	ct			h off immedia ediately if syn			water for at le	east 15 m	inutes. Get	medical atte	ention		
nhalation			Rem	ove to fresh a	air. Get m	nedical at	tention immed	liately if s	symptoms o	ccur.			
ngestion				n mouth with otoms occur.	water an	d drink a	fterwards plen	ty of wate	er. Get med	lical attentio	on if		
	rtant sympto	oms and	None	e reasonably	foreseea	ble.							
ffects lotes to P	hysician	.÷.	Trea	t symptomatio	cally	. i .	_1.	· · .	.÷.	. i .	Н.		
				5. Fire-f	- iahtir	na me	asures						
	111				<u>.gc.</u>	.9.1.0							
Suitable Ex	ctinguishing	J Media		extinguishing ounding envire		es that ar	e appropriate	to local c	ircumstance	es and the			
Jnsuitable	Extinguish	ing Media	No ir	nformation av	ailable		:**			: • •			
Flash F Method		.:		nformation av		. :		. :	. :	÷.			
Autoignitic Explosion	on Temperat Limits	ure	Not a	applicable			1						
Upper Lower Dxidizing F	Properties		No d	ata available ata available oxidising						4	· ·		
				nformation av									
Specific Ha	azards Arisi	ng from the	Chemi	cal									
	Combustio	n Products		11	· 1.	Ч.		· · · .	Ч,	.1.	Ч.		
Protective As in any fin protective g	e, wear self-	and Precau contained b	i <b>tions fo</b> reathing	or Firefighters apparatus pr	<b>s</b> essure-d	emand, I	ASHA/NÍOSH	(approve	ed or equiva	elent) and fu	ш : :		
IFPA	Health		FI	ammability			Instability		Phy	ysical haza	rds		
	2		Т	0			0, '		· · ;	N/A			
			6. /	Acciden	tal re	lease	measure	es					
	recautions		Ensu	ire adequate	ventilatio	n. Use p	ersonal protec	tive equi	oment as re	quired. Avo	id dust		
Personal P			form	ation.									
Personal P			form	ation.									

Revision Date 26-Dec-2021

**Environmental Precautions** 

Should not be released into the environment. See Section 12 for additional Ecological Information.

Methods for Containment and Clean Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Up

		7. Handling and storage
Handling	 	Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.
Storage.	 	Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents. Strong acids. Strong bases.

8. Exposure controls / personal protection

### Exposure Guidelines

Component	 ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Silica, amorphous	 1	(Vacated) TWA: 6 mg/m <sup>3</sup>	IDLH: 3000 mg/m <sup>3</sup>	
		_	TWA: 6 mg/m <sup>3</sup>	

### Legend

OSHA - Occupational Safety and Health Administration NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

Engineering Measures				· •	lly in confin vorkstation		Ensure that	eyewash s	stations
Personal Protective Equipment		:			: • •			:	
Eye/face Protection		s eye and					goggles as 10.133 or Eu		
Skin and body protection	Weara	appropriate	e protectiv	ve gloves a	nd clothing	to preven	t skin expos	ure.	
Respiratory Protection	EN 149	9. Use a N	IIOSH/MS	HA or Euro	opean Stan	dard EN 1	910.134 or l 49 approved oms are exp	d respirator	
Hygiene Measures	Handle	in accord	ance with	good indu	strial hygier	ne and sat	ety practice		

		9. Ph	ysical a	and c	hemical properti	ies				
Physical State Appearance	· · .			· · .	Powder Solid White Odorless	· · · .			· · ·	.:
Odor Odor Threshold pH					No information available					
Melting Point/Range Boiling Point/Range Flash Point Evaporation Rate Flammability (solid,gas)	· · ·				1710 °C / 3110 °F No information available No information available Not applicable Not flammable		11			
Flammability or explosive Upper Lower Vapor Pressure Vapor Density	limits	4.	11	ч.	No data available No data available No information available Not applicable	·:.	а,	. <sup>41</sup>	Н.	.:

CAB-O-SIL® M5	а,	а,		÷1,	а,	.÷.	÷.	Revisio	n Date 26	-Dec-202
Density Specific Gravity Solubility Partition coefficient; n-(	octanol/wa	iter	· † ;			tion available tion available ailable		:	· † ;	
Autoignition Temperatu Decomposition Temper Viscosity Molecular Formula	ire		:	31	Not applica	ble tion available		··:	:	
Aolecular Weight	.:.	10			and rea	ctivity	.:			.:.
eactive Hazard					formation av					
tability			Inder norr							
Conditions to Avoid		Incompa	atible proc	ducts. Ex	cess heat. A	Avoid dust for	rmation			
ncompatible Materials		Strong	oxidizing a	agents, S	Strong acids	Strong base	es		:	
lazardous Decomposit	ion Produc	cts Silicon o	dioxide	.:					1.	.:
lazardous Polymerizat	ion	Hazardo	ous polym	erization	n does not o	ccur.		· · ·		
lazardous Reactions		None ur	nder norm	al proce	ssing.					
		11.	Toxic	ologi	cal info	rmation				
Acute Toxicity Product Information Component Informatior Component		·::	; · · · 50 Oral		·::	D50 Dermal	  		50 Inhalatio	 
Silica, amorphous		>5000 n	ng/kg (Ra			mg/kg (Rabl	oit)		-	
oxicologically Synergi Products Delayed and immediate rritation		well as ch		ects fro	<b>m short and</b> ory system a		<u>exposu</u>	ire_		
Sensitization		No infor	mation av	ailable						
Carcinogenicity		The tab	le below ii	ndicates	whether ea	ch agency ha	as listed	l any ingredie	nt as a cai	rcinogen.
Component Silica, amorphous	CAS No 7631-86-9		ARC t listed	_	NTP Inown	ACGIH Not listed		OSHA Not listed		exico t listed
Iutagenic Effects			mation av				· · .			
Reproductive Effects		No infor	mation av	vailable.						
Developmental Effects		No infor	mation av	ailable.						
eratogenicity		No infor	mation av	ailable.						
STOT - single exposure STOT - repeated exposit		None kr None kr				;···			: • •	
Aspiration hazard		No infor	mation av	vailable						
Symptoms / effects,bot delayed	th acute an	nd No infor	mation av	ailable		1	÷.	ні, П		
			. : .			. : .			. : .	

**Endocrine Disruptor Information** 

No information available

Other Adverse Effects

The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Do not empty into drains. .

Component	Freshwater Algae	Freshwater Fish	Microtox	Water F	lea
Silica, amorphous	EC50: 440 mg/L/72h	LC50: 5000 mg/L/96 h	Not listed	EC50: 7600 n	ng/L/48h
Persistence and Degrada	bility Insoluble in v	vater			
Bioaccumulation/ Accum	ulation No information	on available.			

Mobility

Is not likely mobile in the environment due its low water solubility.

			13. Disposal considerations
Waste Dispo	sal Metho	ds	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

		14. Tra	inspor	t inforr	nation			
DOT	 	Not regulated					 	·
TDG		Not regulated						
<u>IATA</u>		Not regulated						
IMDG/IMO		Not regulated						
		15 Rea	ulator	v infor	mation			

### United States of America Inventory

Component	CAS No	TSCA		TSCA Inventor Active-	y notifica Inactive	tion -	TSCA - EPA F Flag	· · · .
Silica, amorphous	7631-86-9	Х		ACT	IVE		-	]
Legend: TSCA US EPA (TSCA) - Toxic Substa X - Listed '-' - Not Listed	ances Control Act, (4			dij.		.d		 
TSCA 12(b) - Notices of Export	Not applicab	le		: * *			: * *	· · ·

International Inventories Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Silica, amorphous	7631-86-9	Х	-	231-545-4	Х	Х	Х	Х	Х	KE-31032

**KECL** - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

### U.S. Federal Regulations

### SARA 313 Not applicable

SARA 311/312 Hazard Categories See section 2 for more information

### CAB-O-SIL® M5

# CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

**OSHA** - Occupational Safety and Not applicable

Health Administration

	Component		Specifically Regulated Ch	Highly Hazardous Chemicals				
	Silica, amorphous		50 µg/m³ TWA 25 µg/m³ Action Lev	10			-	:
CERCLA		Not applica	able	,				

California Proposition 65

This product contains the following Proposition 65 chemicals.

Component	CAS No		California	Prop. 65	Pr	op 65 NSRI	-	Category			
Silica, amorphous	7631-86-9		Carcir	nogen		-		Carcinogen			
U.S. State Right-to-Know											
Regulations	1			1	1		· · · ·	1			

## regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island	
Silica, amorphous	X		X			
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			

# U.S. Department of Transportation<br/>Reportable Quantity (RQ):NDOT Marine PollutantNDOT Severe Marine PollutantNU.S. Department of Homeland<br/>SecurityThis product does not contain any DHS chemicals.Other International RegulationsNo information available

Authorisation/Restrictions according to EU REACH

### Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Silica, amorphous	7631-86-9	Listed	Not applicable	Not applicable	Not applicable
Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
Silica, amorphous	7631-86-9	Not applicable	Not applicable	Not applicable	Not applicable

	 16. C	)ther ii	nforma	tion			
Prepared By	Stanford Advanc Email: sales@sa www.samaterials		,	1.	,		
Creation Date Revision Date	15-Dec-2011 26-Dec-2021		1		1.		

- Print Date
- **Revision Summary**

26-Dec-2021

This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

							<b>J</b> <sup>2</sup>							
	· · _				<u> </u>		Page 7/							
:.	.÷.	÷.,	1.	а,	а,			÷.		а.	а,			А,
						;			:			;		· : ;
1						4	· · ·					.:i <sub>1</sub>	· ·	
1.	Ч,	· · · .		Ч,	· · · .	ļi.	··. ·			Ч,	Ч,		Ч.	÷1,
						:		:	;			:		11
÷.			•••			•••;			-i ;					
							.:							
1													· · ·	
1.	÷.			·÷.	н,	ji.	.: <u>.</u> .	;	.:	а,	Н.		.÷.	·÷.
		11	: • •		11	:			;••			:		· · ;
. i :					.el	·+;	End of S	DS	·••:	: :		.÷.		